

4/4 - (C) WPI / DERWENT

AN - 88-320199 [45]

AP - JP870073347 870326

PR - JP870073347 870326

TI - Material for organic electronic element - comprises functional molecule with controllable anisotropy to transmit electrons

it - MATERIAL ORGANIC ELECTRONIC ELEMENT COMPRISING FUNCTION MOLECULAR CONTROL ANISOTROPE ELECTRON TRANSMIT

PA - (MITQ ) MITSUBISHI DENKI KK

PN - JP63238166 A 881004 DW8845

IC - C08G61/10 ; C08L101/00 ; H01L29/28

AB - J63238166 A material comprises a functional molecule contg. functional gp(s) for transmitting electrons and has controllable anisotropy to the direction for transmitting electrons by the quantum-mechanically tunnelling mechanism. The functional gp. is a redox substance (e.g. porphyrin deriv., phthalocyanine deriv., isoalloxazine deriv, viologne deriv, organic metal complex, etc.). The skeleton is pref. polypeptide, polynucleotide, polyamide, vinyl polymer, polyester, etc. The element comprises a skeleton and the functional gps. arranged so that the functional gps. are capable to transmit electrons to each other or the electron-transmitting functional gp. in the molecule is arranged with several functional gps. on the layer and the vicinal layers so that the functional gps. are capable to transmit electrons to each other.

- ADVANTAGE - The electroconductive anisotropy of the electronic element is controllable on a molecular scale. (7pp Dwg.No.0/9)